LG

# WD-8030WF

MODEL

SERVICE MANUAL

# 2-2.SENSING THE LAUNDRY AMOUNT

● PRINCIPLE : After the first water supply, the laundry absorbs the water with the revolution of drum, which causes the decrease of water level.
Micro-Processor senses decreased water level and makes water to be supplied more and recognizes he amount of the laundry by calculating the times of complementary water supply.

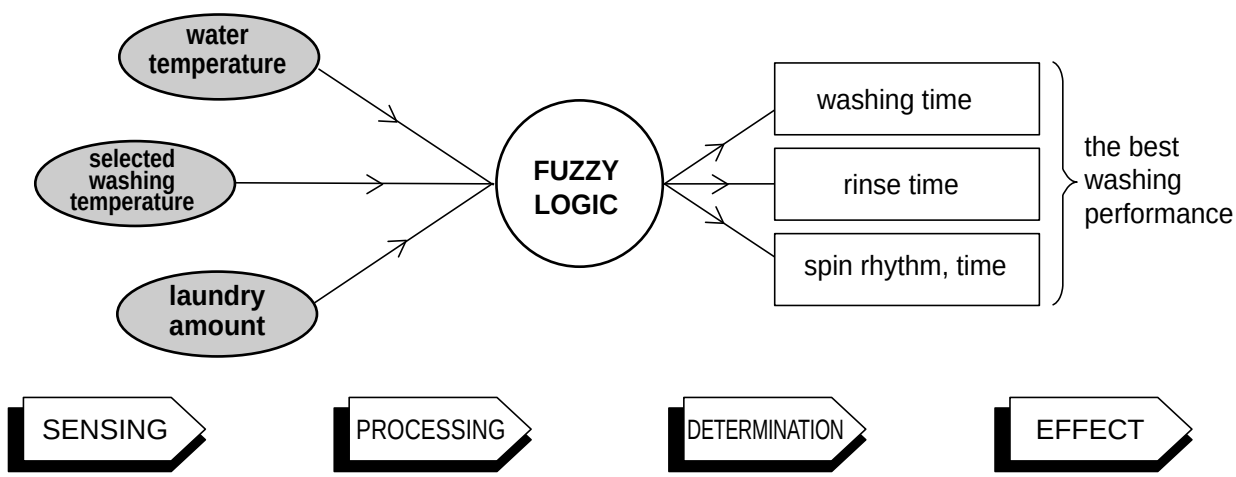
● Criteria :

| AMOUNT OF LAUNDRY | TIMES OF COMPLEMENTARY WATER SUPPLY |
|---|---|
| below 2.0㎏ | 1~2 times |
| above 4.5㎏ | 3 times or more |

※The times of water supply depends on amount of laundry, material of laundry and water temperature etc.

# 2-3.DETERMINE WASHING TIME BY FUZZY LOGIC

To get the best washing performance optimal time is determined by sensing of water temperature, selected washing temperature and laundry amount.




# 2-4.WATER LEVEL CONTROL

● This model adopts a pressure sensor which can sense the water level in the tub.
● When the water level reaches to the preset level water supply is stopped, then washing program proceeds.
● Spinning does not proceed until the water in the tub reduces to a certain level.

## 2-6.THE DOOR CAN NOT BE OPENED

- While program is operating.
- While Door Lock light turns on.

## 2-7.WHEN 「DOOR LOCK」 LIGHT TURNS ON

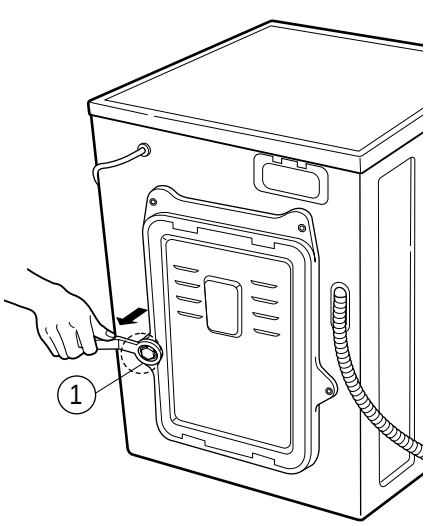
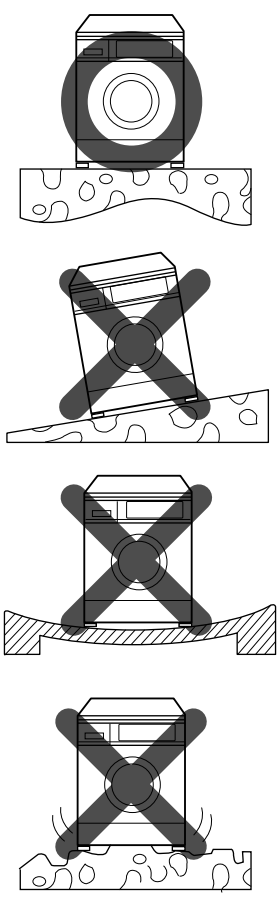
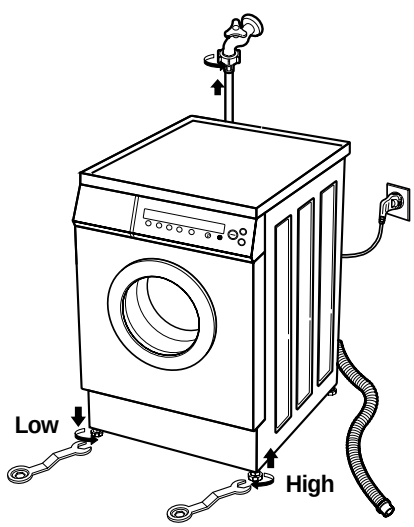
- Water level frequency is below 23.2kHz.(Water level is high)
- Water temperature in the tub is above 45℃

# 4. INSTALLATION

1 Before servicing ask troubles of customers
2 Check the adjustment(power supply is 220-240V, remove the transit bolts....)
3 Check the troubles referring to the trouble shooting.
4 Decide service steps referring to disassembly instructions.
5 And then, service and repair.
6 After servicing, operate the appliance whether it works O·K or NOT.

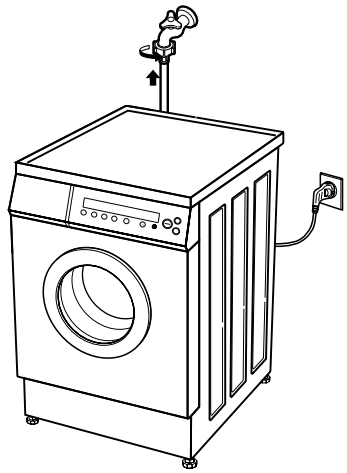
■ STANDARD INSTALLATION

The appliance should be installed as follows.

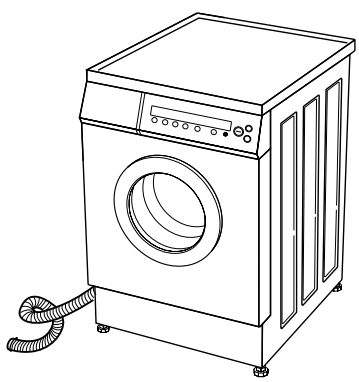
| REMOVE THE TRANSIT BOLTS | INSTALL THE APPLIANCE ON FLAT AND FIRM SURFACE | ADJUST THE HORIZONTAL |
|---|---|---|
| • Remove the transit bolts (4EA:①)with supplied spanner.<br>• Keep the transit bolts and spanner for future use.<br>  |  | • Turn the leveling feet to set the appliance horizontally.<br>  <br>• The appliance goes up by rotating the feet clockwise.<br>• The appliance come down by rotating the feet counter clockwise. |

## ■ HOW TO CONNECT INLET HOSE

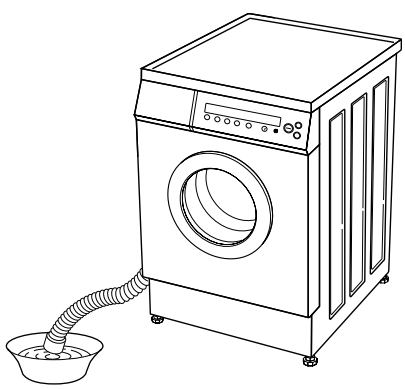
- Check that the rubber packing is inside of the valve connector.
- Connect the inlet hose firmly to prevent leak.



## ■ CONNECT DRAIN HOSE



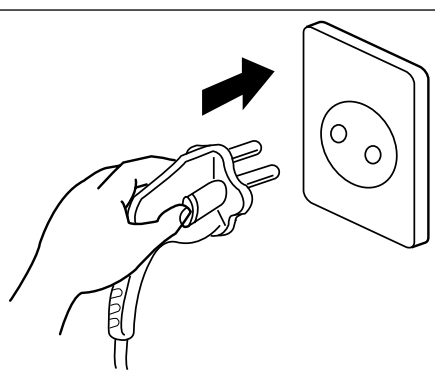
· Make sure that the hose is not twisted.



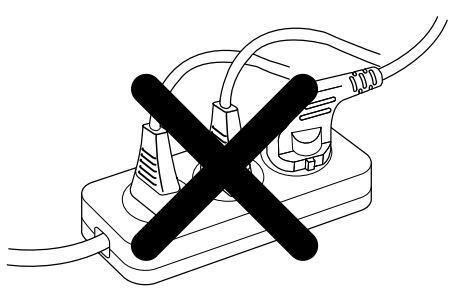
· Avoid submerging the end of the hose.

※ The drain hose should be placed under 85㎝ from the floor.

## ■ CONNECT POWER PLUG



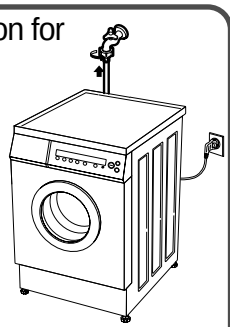
· Connect the power plug to the wall outlet.



· Avoid connecting several electric devices,
It may be the cause of the fire.

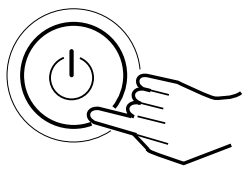
## 7 TEST OPERATION

**1** Preparation for washing.



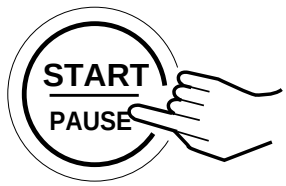
- Connect the power plug to the outlet.
- Connect the inlet hose.

**2** Press the power button.

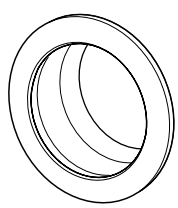


- In case of Coloreds program.

**3** Press the START/PAUSE button.

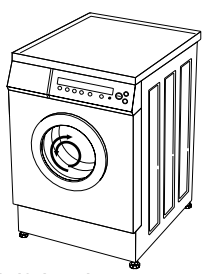



**4** Check the water supply.



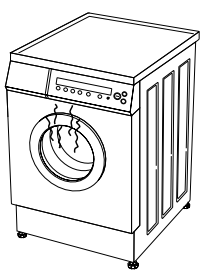
· Check if water is supplied through the detergent dispenser.

**5** Check automatic reverse turn.



· Check if the drum rotate to clockwise and counterclockwise.

**6** Check the water heating.



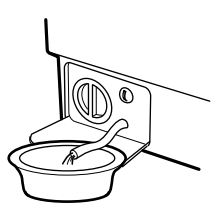
**7** Check the drain and spin

- 800 (1000)
- 600 (800)
- no Spin (600)

**8** Power off

· After power off, press the [DOOR OPEN] button to check the door open.

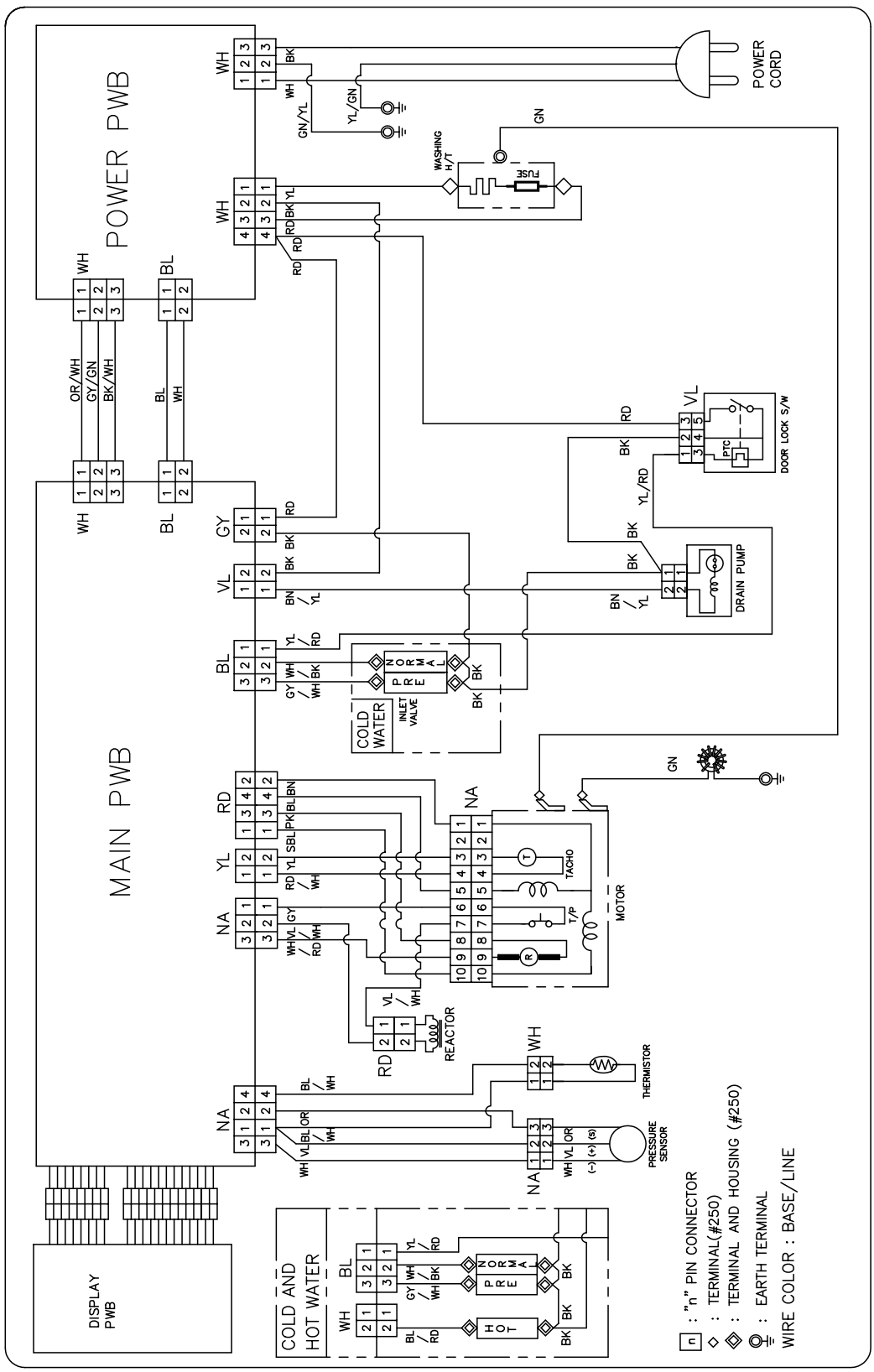
**9** Water removal



· If SVC is needed, during check and remove the remaining water by pulling out the hose cap.

- Trouble shooting refer to (7.ERROR DISPLAY)
- Assemble and disassemble refer to (9.Disassembly Instructions)

# 6. WIRING DIAGRAM



# 7. TROUBLE SHOOTING

## 7-1.BEFORE SVC CHECKING

■ Be careful of electric shock while trouble shooting.

■ Disconnect power plug from the outlet before service.

## 7-2.TEST MODE.

■ If you press [Power] button with both [Rinse] and [Spin] buttons pressed the machine can be gotten into the test mode.

■ To check if functions operate well, press [Start/Pause] button in test mode as follows.

**NOTE** : Even if you press the button to check inlet valve, inlet valve does not operate until the drum comes to a complete stop from spinning.

| Times of press | Checking Point |
|---|---|
| None | All lamps turn on |
| 1 time | Counterclockwise spin |
| 2 times | Low speed Spin |
| 3 times | High speed Spin |
| 4 times | Inlet valve for pre-wash operation |
| 5 times | Inlet valve for main-wash operation |
| 6 times | Inlet valve for main-wash operation |
| 7 times | Clockwise spin |
| 8 times | The Heater is in operation for 3 sec. |
| 9 times | Draining pump operation |
| 10 times | Auto off operation |

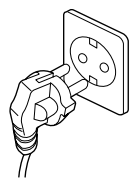
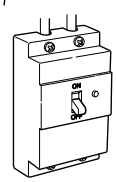
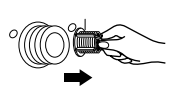
# 7-4.ERROR DISPLAY.

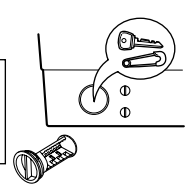
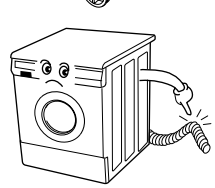
- If you press the [Start/Pause] button in error condition, any error except '**SENSOR PRESSURE S/W ERROR**' will disappear and the machine will change into pause status.
- In case of 『**SENSOR PRESSURE S/W ERROR, THERMISTOR ERROR**』 if the error is not resolved within 20 sec., and in case of other errors, if the error is not resolved within 4 min., power will be turned off automatically and the error only will be blinked. But in case of 『**OVER FLOW ERROR**』, power will not be turned off.

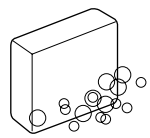
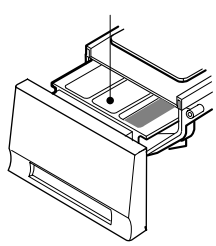
| | ERROR | SYMPTOM | CAUSE |
|---|---|---|---|
| **1** | WATER INLET ERROR | ☼ Pre<br>☼ Main | ○ Water has not reached to the pre-set level within 4 min. since inlet valve operated or water has not reached to the normal level within 25 min. |
| **2** | IMBALANCE ERROR | ☼ Rinse Hold<br>☼ Super<br>☼ Normal | ○ The appliance is tilted.<br>○ Laundry is gatherd to one side.<br>○ Non distributable things are put into the drum. |
| **3** | DRAIN ERROR | ☼ 800 (1000)<br>☼ 600 (800)<br>☼ no Spin (600) | ○ Water has not drained enough within 5 min. |
| **4** | OVER FLOW ERROR | ☼ Coloreds<br>☼ Whites<br>☼ Rapid | ○ Water is automatically being pumped out because too much water is in the tub. |
| **5** | SENSOR PRESSURE S/W ERROR | ☼ Synthetic<br>☼ Wool<br>☼ Delicate | ○ The sensor pressure switch is out of order. |
| **6** | DOOR OPEN ERROR | <br>**Door Lock** | ○ The [Start/Pause] button is pressed with the door open.<br>○ The door switch is out of order. |
| **7** | THERMISTOR ERROR | ☼ 95˚C<br>☼ 60˚C<br>☼ 40˚C<br>☼ Cold | ○ The thermistor is out of order. |

# 8. ERROR DIAGNOSIS AND CHEK LIST

## 8-1.DIAGNOSIS AND ANSWER FOR ABNORMAL OPERATION

<table>
<tr><th>SYMPTOM</th><th>GUIDE FOR SERVICE CALL</th></tr>
<tr><td>NO POWER</td><td>Is the power plug connected firmly to AC220-240V outlet?<br>YES<br>Power failure? or Breaker opened?<br>NO<br>Visit to check<br>  <br>  </td></tr>
<tr><td>Water inlet trouble<br>☼ Pre<br>☼ Main</td><td>Pre, Main lamps are glittering at ance<br>YES<br>Is the tap opened?<br>YES<br>Is the tap frozen?<br>NO<br>Is the water supply shut-off?<br>NO<br>Is filter in the inlet valve clogged with foreign material?<br>YES<br>Clean the filter of inlet valve<br>NO<br>Visit to check<br>☼ Pre<br>☼ Main<br> <br> <br> <br>  </td></tr>
</table>

| SYMPTOM | GUIDE FOR SERVICE CALL |
|---|---|
| ◦ Door open trouble<br><br> <br> | Is the washer started without closing the door? **YES** → Close the door<br> <br>**NO**<br>Did you press the [DOOR OPEN] button when water remained in the tub?<br>**YES** → 1. Press the [START/PAUSE] button to stop the appliance. 2. Drain the water by spin. 3. Open the door by pressing the [DOOR OPEN] button.<br>**NO**<br>Isn't door opened in spite of pressing the [DOOR OPEN] button<br>**NO**<br>Visit to check |
| ◦ Drain Trouble<br><br>☼ 800 (100)<br>☼ 600 (800)<br>☼ no Spin (600) | 800, 600, no Spin lamps are glittering at once.<br>**YES**<br>Is the debris filter clogged with foreign material such as pin, coin and etc.? **YES** → Clean up the filter.<br>  <br>**NO**<br>Is the drain hose frozen with water, kinked or crushed?<br>  <br>**NO**<br>Visit to check |

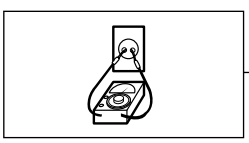
| SYMPTOM | GUIDE FOR SERVICE CALL |
|---|---|
| ◦ Suds overflow from the appliance.<br>(In this condition, wash and spin do not operate normally) | Is Low-sudsing detergent for the durm washing machine used?<br>**YES**<br>Is the proper amount of detergent used as recommended?<br>**YES**<br>Recommend to reduce the using amount of detergent.<br>  <br>LOW SUDS DETERGENT<br>✳ This appliance has the automatic suds sensing function which operates under much suds condition for good rinse and preventing overflow.<br>✳ When much suds are sensed, suds removing fuction such as drain, water input and pause will operate without rotating the drum. |
| ◦ No effect of softener | Is softener put in the correct compartment of drawer?<br>**YES**<br>Is the drawer closed during wash?<br>**YES**<br>Is the softener cap clogged?<br>**YES**<br>Explain how to use softener<br>**< Clean the compartment for softener >**<br>Compartment for softener<br>  |
| ◦ Error displayed as follows | Visit to check<br>· OVER FLOW ERROR<br>· PRESSURE SWITCH ERROR<br>· THERMISTOR ERROR |

# 8-2.FAULT DIAGNOSIS AND TROUBLE SHOOTING

CAUTION

1. Be careful of electric shock or disconnecting the parts while trouble shooting.
2. First of all, check the connection of each part terminal with wiring diagram.
3. Voltage between each terminal is AC 220-240V while applying an electric current (except secondary part of the transformer and sensors)

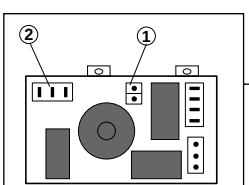
## NO POWER



When measuring the voltage of the outlet, is the voltage AC 220-240V?

**NO** → Check the fuse?

**YES**

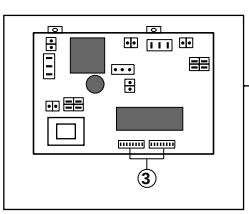


PWB ASSY (POWER)

When measuring the voltage of blue connector of the PWB assy (Power), is the voltage AC 220-240V?

**NO** → Replace PWB assy (Power)

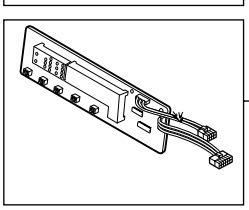
**YES**




Is ③ connector disconnected or or is the contact bad or cut?

**YES** → Reconnect and repair connector.

**NO**



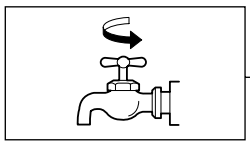
Is wire of the PWB assy(Display) disconnected?

**NO** → Replace PWB assy(Main)

**YES**

Replace PWB assy(Display) (6871EC2001A)

## NO WATER SUPPLY



Is the water supply shut-off?

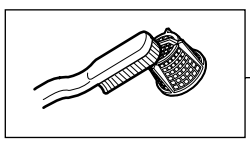
**NO**

Is tap opened?

**NO** → Open the tap.

Check the chamber(Air) and the tube clogged with impurity.

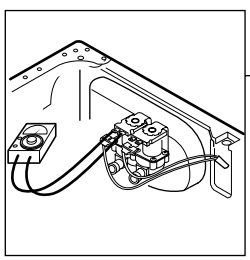
**YES**



Is the inlet valve filter clogged with impurity?

**YES** → Clean the filter.

**NO**



Is resistance of the inlet valve connector between 2 to 8 kΩ?

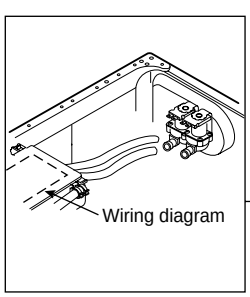
**NO** → Replace the inlet valve.

**YES**

Check the voltage between each terminal of inlet Valve is AV 220~240V.
(Refer to 7-2 TEST MODE)

**NO** → Replace PWB assy(Main)

## DETERGENT DOES NOT FLOW IN




Is water supplied?

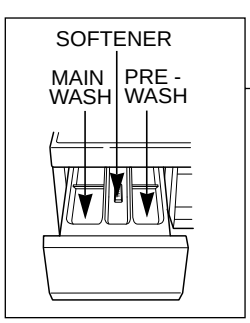
**NO** → Refer to solution 「NO INLET」

**YES**

Are replaceptacles correctly connected to the terminals of inlet valve?

**NO** → Check the wiring on the dispenser.

**YES**




Is detergent put in the correct compartment of the drawer?

**NO** → Put the detergent in the correct position

**PRE+MAIN**

**MAIN WASH**

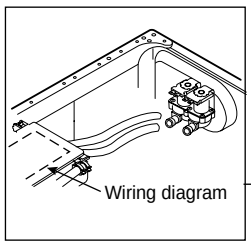
● : Detergent

**YES**

Is the detergent hardened?

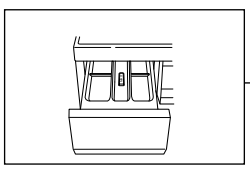
**YES** → Clean the drawer.

## SOFTENER DOES NOT FLOW IN

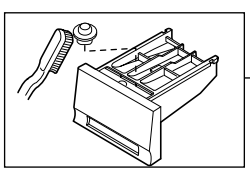



Is water supplied?
**NO** → Refer to 「NO WATER SUPPLY」
**YES**

Are receptacles conectly connected to the terminals of inlet valve?
**NO** → Check the wiring on the dispenser.
**YES**

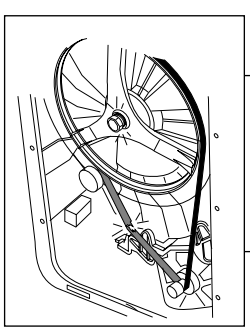


Is softener put in the correct compartment of drawer?
**NO** → Put it in the correct compartment.
**YES**



Is the softner cap clogged?
**YES** → Clean the cap and drawer.

## ABNORMAL SOUND

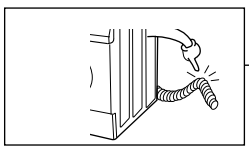


Is the pulley bolt loosened?
**YES** → Fix the bolt tightly.
**NO**

Is the belt worn?
**YES** → Replace the V-belt (4400FR3116A)
**NO**

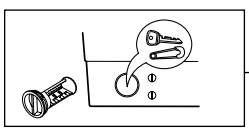
Is there friction noise from the motor?
**YES** → Replace the motor.

# DRAIN MALFUNCTIONING



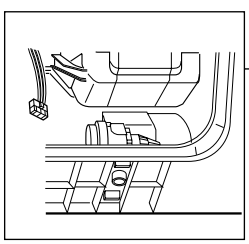
Is the drain hose kinked or frozen? **YES** → Repair drain hose

**NO**



Is the filter of drain pump clogged? **YES** → Remove foreign material.

**NO**

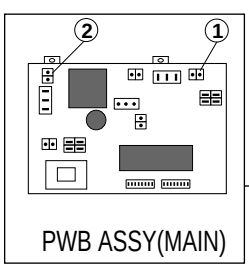


Is the connector disconnected or is the contact bad? **YES** → Reconnect or repair the connector

**NO**

Is the coil of drain pump cut-off? (resistance of coil is 90~160 Ω) **YES** → Replace the pump assy

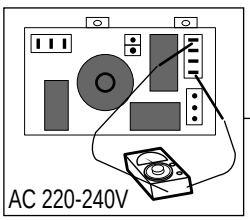
**NO**




PWB ASSY(MAIN)

When checking voltage between two receptacles as shown (①, ②) on spinning, is the voltage AC 220-240V ? **NO** → Replace the PWB assy (Main)

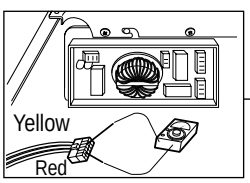
## WASH HEATER TROUBLE




When checking the voltage between two receptacles of the PWB assy(Power) during washing.
Is the voltage AC 220-240V?

**NO** → Replace the PWB assy (Power)

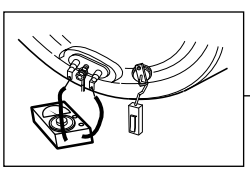
**YES**




After power off, is the resistance between yellow wire and red wire of connector 10 to 30 Ω?

**YES** → Normal

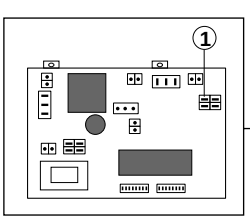
**NO**



After power off, is the resistance of heater 10 to 30 Ω?

**NO** → Replace the heater assy

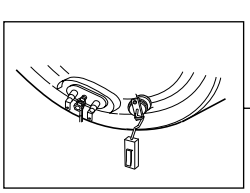
## HEATING WATER CONTINUOUSLY ABOVE THE SELECTED WATER TEMPERATURE




Is the resistance between two receptacles with BL/WH wires parted from PWB assy 2.5k Ω to 180k Ω(105℃~0℃)?

**NO** → Replace the thermistor (6322FR2046B)

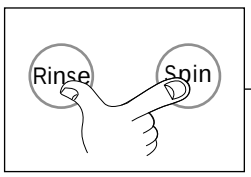
**YES**



When checking thermistor on the tub cover, is the thermistor gotten more than 2 mm out of the rubber?

**YES** → Get the thermistor back to the rubber.

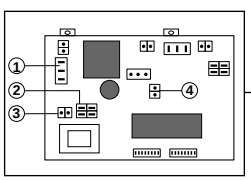
# SPIN TROUBLE




Press [Power] button with both [Rinse] and [Spin] buttons pressed after power off. Press [Start/Pause] button 2 times. Does the drum rotate at low spin speed?

**YES** → Check the sensor (Pressure) or hose (Sensor).
If the problem is on the sensor or the hose, replace the sensor or the hose.

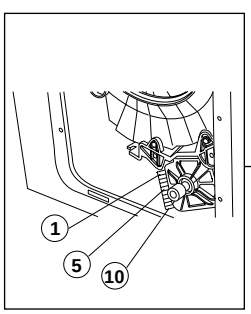
**NO**




Is it disconnected or badly contacted?
[Natural:3pin(①),Red:4pin(②),Blue:2pin(③),
Yellow:2pin(④)]

**YES** → Reconnect or repair it.

**NO**




Check the motor connector, is the resistance between the terminal in figure the same as below?

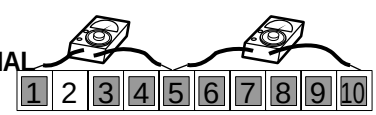
Resistance between terminals

①~⑤:0.5~1.0Ω

⑤~⑩:1.5~2.5Ω

Be sure to unplug the machine before measuring.

**MOTOR TERMINAL**




**NO** → Replace the motor assy.
(4681FR1194A)

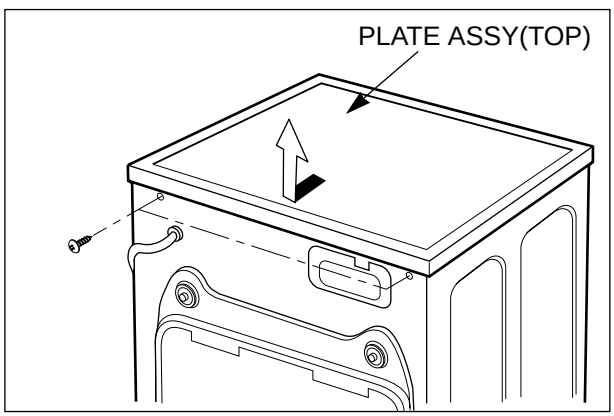
**YES**

Replace the PWB assy (Main)

# 9. DISASSEMBLY INSTRUCTIONS

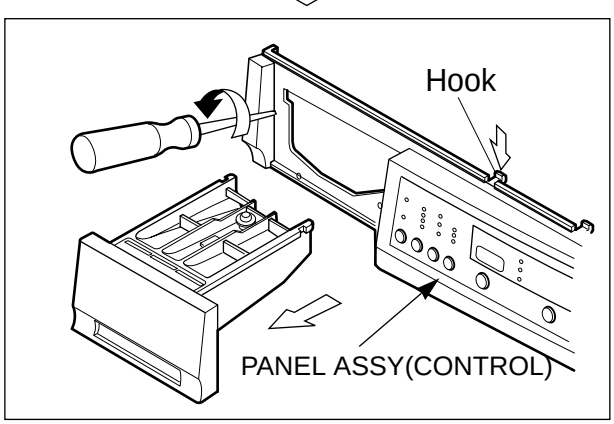
* Be sure to unplug the machine out of the outlet before disassembling and repairing the parts.

## CONTROL PANEL




① Unscrew 2 screws on the back of the top plate.

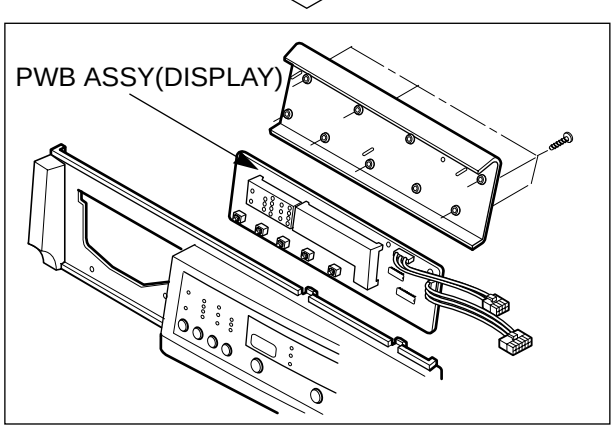
② Pull the top plate backward and upward as shown.




① Disconnect the PWB assy (Display) connector.

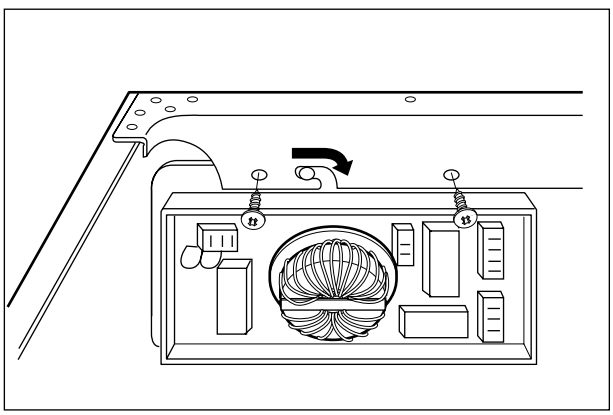
② Pull out the drawer and unscrew 3 screws.

③ Push 2 upper hooks down and pull the control panel.




① Disconnect the PWB assy (Display) from the control panel by unscrewing 9 screws.

## PWB ASSY(POWER)

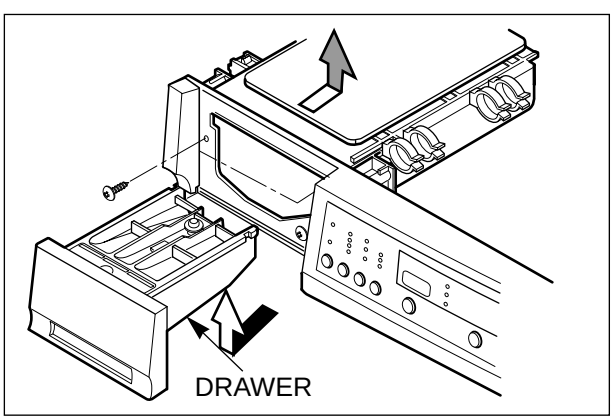


① Disassemble the top plate assy.

② Unscrew 2 screws.

③ Disconnect connector from the wiring.

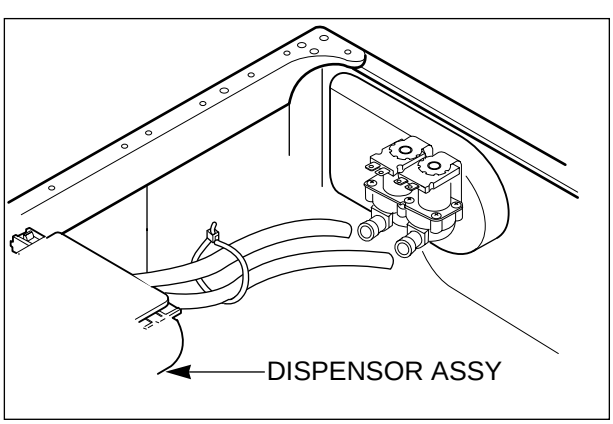
## DISPENSER ASSY




① Disassemble the top plate assy.

② Pull out the drawer slightly upward.

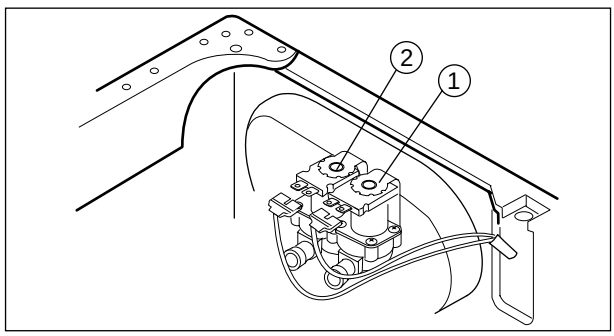
③ Unscrew 2 screws.




① Disassemble hose clamps and hoses

② Disassemble ventilation bellows and water inlet bellows from tub.

## INLET VALVE



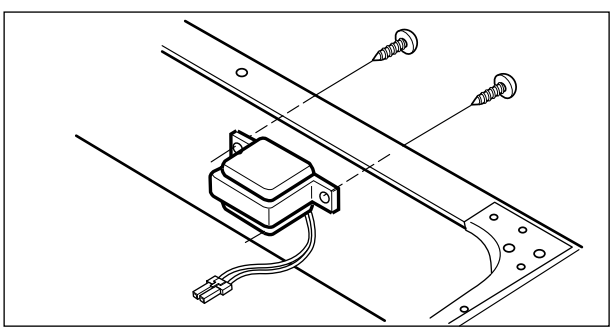

① Disconnect the wiring receptacle.
② Unscrew 2 screws from the back.
※When reconnecting the connector

| | |
|---|---|
| VALVE#1(MAIN) | White/Black - Black |
| VALVE#2(PRE) | Gray/White - Black |

| | |
|---|---|
| VALVE#3(HOT) | Blue/Red - Black |

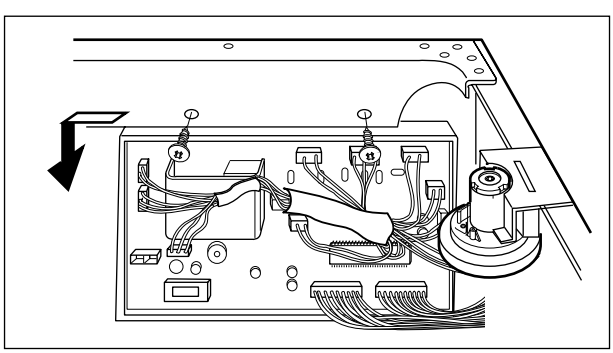
(WD-803(4)0WFH)

## REACTOR



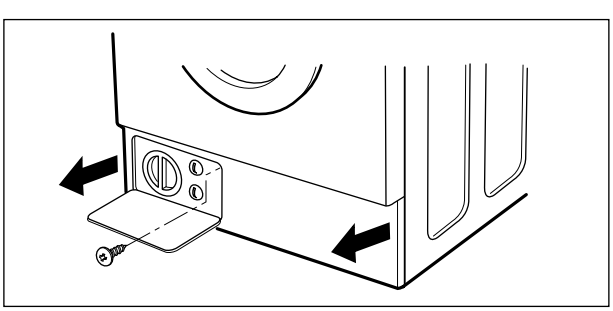
① Unscrew 2 screws
② Disconnect the wiring connector from the PWB assy(Msin)

## PWB ASSY(MAIN)



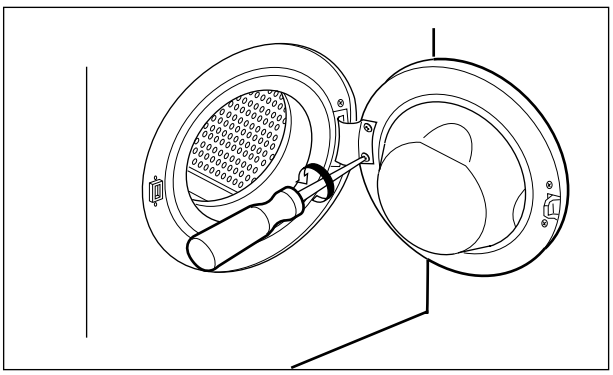
① Unscrew 2 screws
② Pull the PWB assy(Main) as shown.

## LOWER COVER



■ Open the lower cover plate by using coin and pull out the lower cover in the arrow direction after a screw is unscrewed.

## DOOR



① Open the door completely.

② Remove the two screws from the hinge.

### Door opening method in case of no electricity

① Rotate the door opener counterclockwise, by a coin.

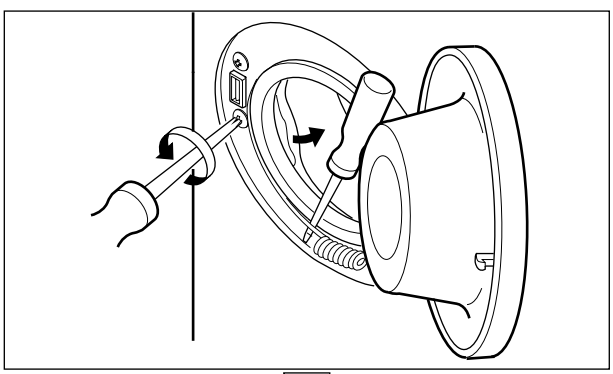
### Removing method of remained water

① Rotate the remaining hose cap to counterclockwise.

② Pull it out from hose.

※ First, prepare a bucket to put in the remained water

## GASKET ASSY

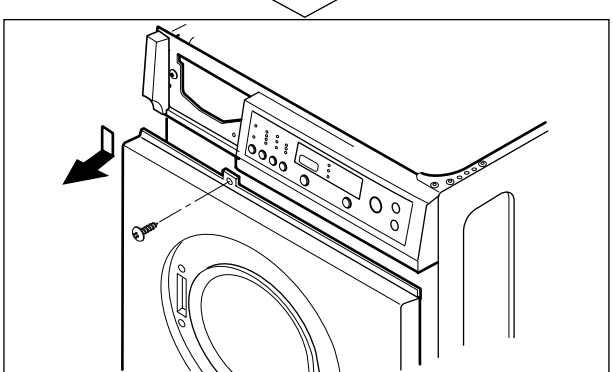


① Take apart the cabinet gasket clamp.

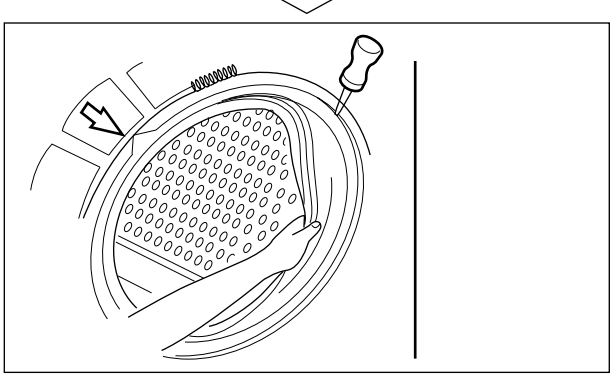
② Unscrew 2 screws from the cabinet cover.

③ Open the lower cover cap and unscrew 1 screw inside

④ Take apart the lower cover



① Unscrew all the screws on the upper and lower sides of the cabinet cover.

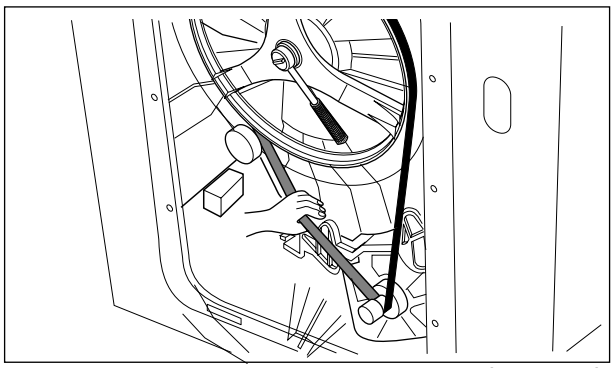


① Take apart the tub gasket clamp

② Make sure that the drain hole of the gasket is put beneath when reassembling the gasket.

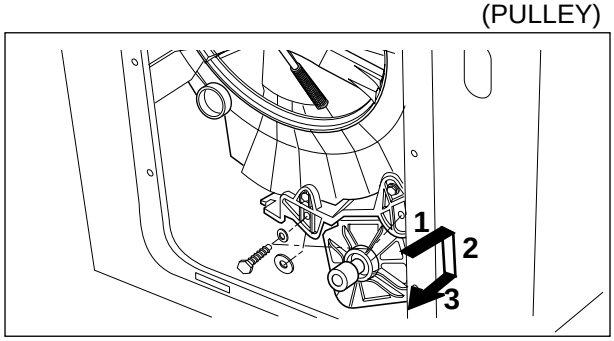
※Refer to the arrow mark on the tub cover.

## PULLEY, MOTOR, DAMPER



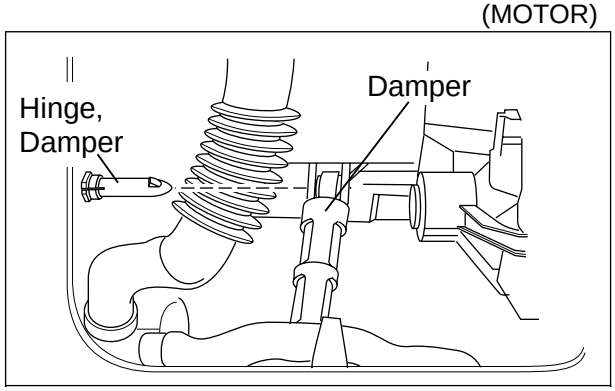
(PULLEY)

① Remove the back cover.
② Take off the belt turning the pulley.
③ Unscrew the bolt to pull out the pulley.




(MOTOR)

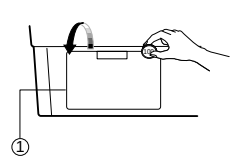
① Unscrew 2 screws from the bracket.
② Push the motor in the arrow direction for disassembling.
③ When reassembling the motor, make sure that motor mounting rubbers are not taken off from the bracket.



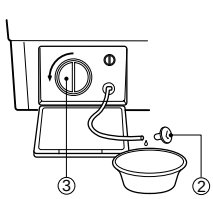

(DAMPER)

① Pull out the hinge pressing its snap.
② Do not use the pulled out hinge again..it may be taken off during operation.

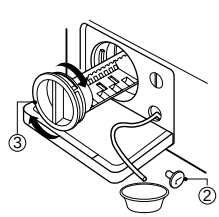
## Clean the drain pump filter




Open the lower cover cap ( ① ) by using coin.Turn the drain plug ( ② ) to pull out the hose.

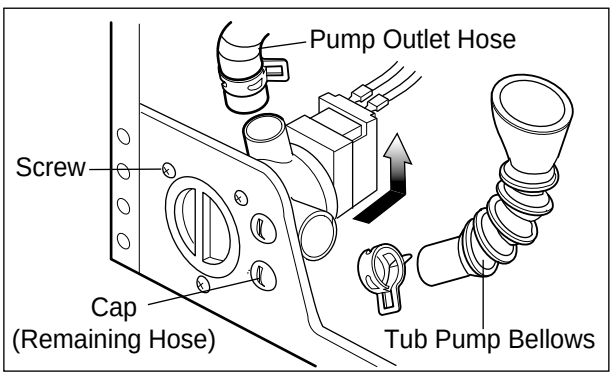



Unplug the drain plug ( ② ), then the water flows out,
At this time use a vessel to prevent water flowing on the floor. If the water does not flow any more,turn the pump filter ( ③ ) open to the left.



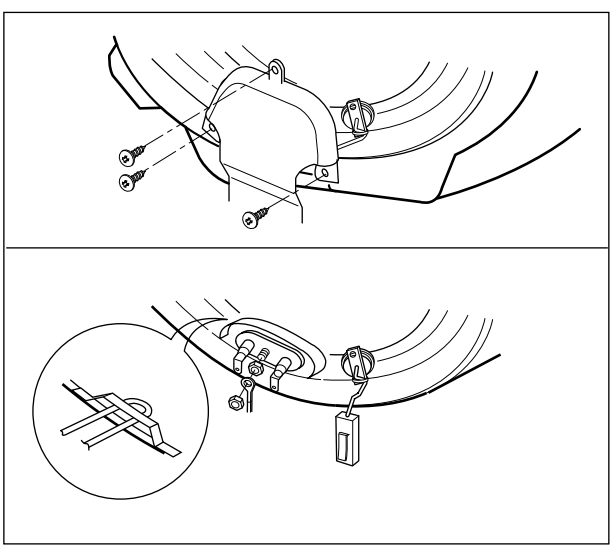

Take out any foreign material from the pump filter ( ③ ). After cleaning, turn the pump filter( ③ ) clockwise and insert the drain plug ( ② )to the original place. close the lower cover cap.

## PUMP




① Remove pump outlet hose.
② Remove tub pump bellows.
③ Remove cap(Remaining Hose.)
④ Disconnect the wiring.
⑤ Unscrew 3 screws
⑥ Remove the pump.

## HEATER

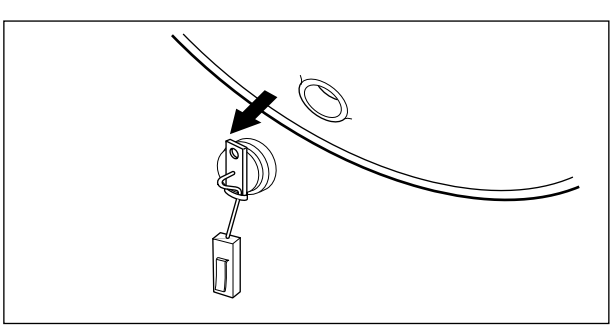


① Unscrew 3 screws fixing the heater protecting cover.
② Loosen the M6 heater nut to pull out the heater.

**CAUTION**

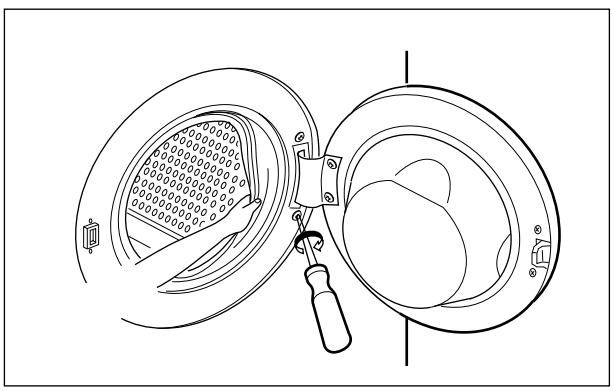
When mounting the heater, be sure to insert the heater into the heater clip on the bottom of the tub.

## THERMISTOR



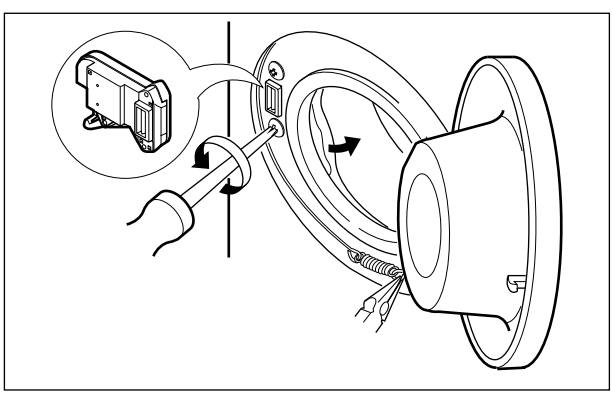
① Pull it out by holding the thermistor bracket.
＊ If it is pulled by the wire, it may be broken.
② When mounting the thermistor again, make sure that it is got back tight to the rubber.

## DOOR HINGE ASSY



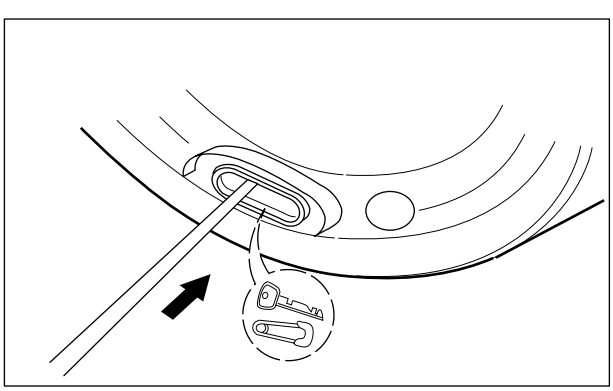
① Disassemble the door from the door hinge.
② Take apart the cabinet cover clamp and release the gasket.
③ Unscrew 2 screws on the door hinge.
④ Push the door hinge arm to the inside of the cabinet cover for disassembling.

## SWITCH ASSY, DOOR LOCK



① Take apart the cabinet cover clamp and release the gasket.
② Unscrew 2 screws holding the Door Lock.
③ Disconnect the door lock from the wiring connector and the strap.

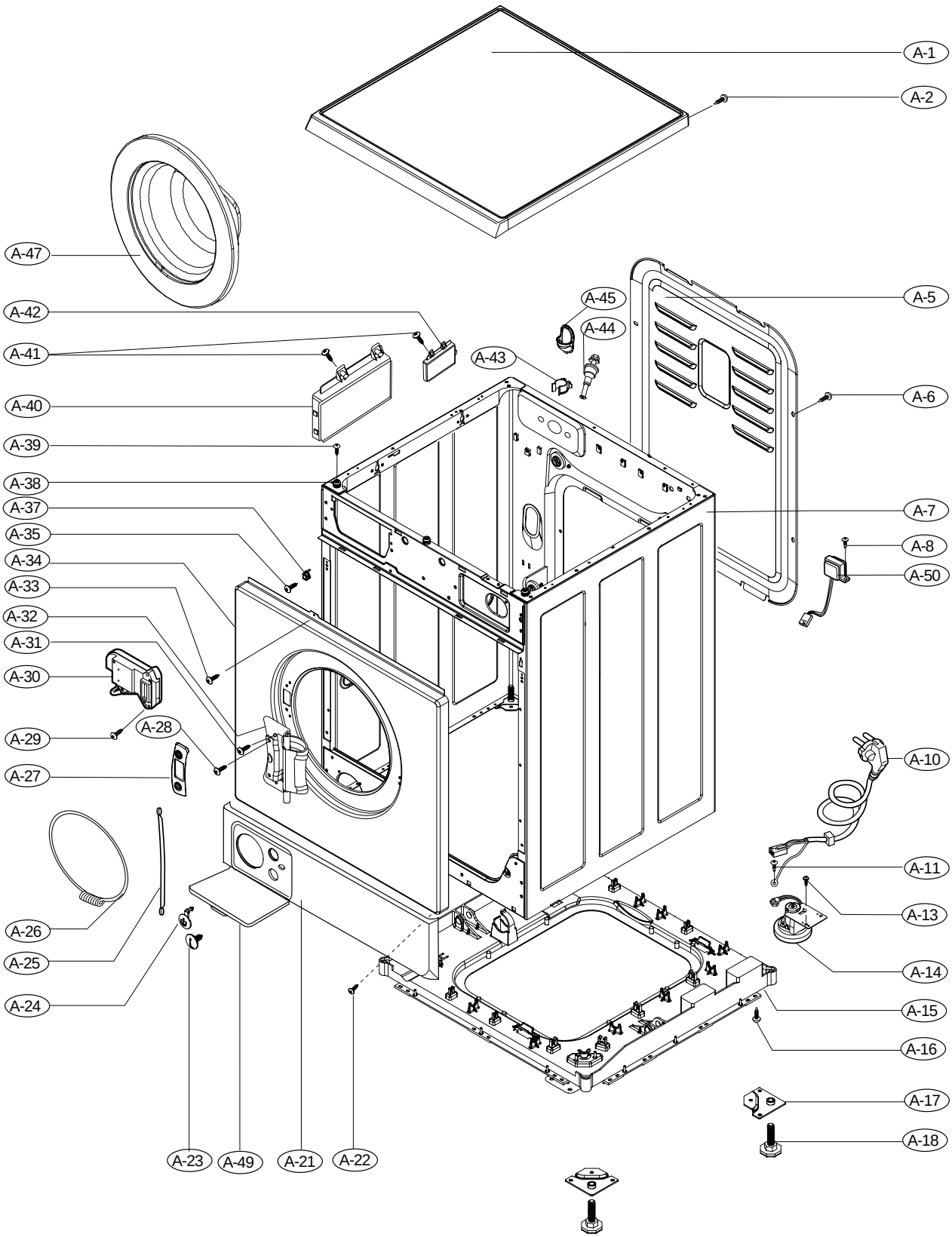
## WHEN FOREIGN MATERIAL IS STUCK BETWEEN DRUM AND TUB



① Remove the heater.
② Remove the foreign material (wire, coin and others) by inserting a long bar through the hole.

# 10. EXPLODED VIEW AND PART LIST

## 10-1.THE PART LIST OF CABINET ASSY

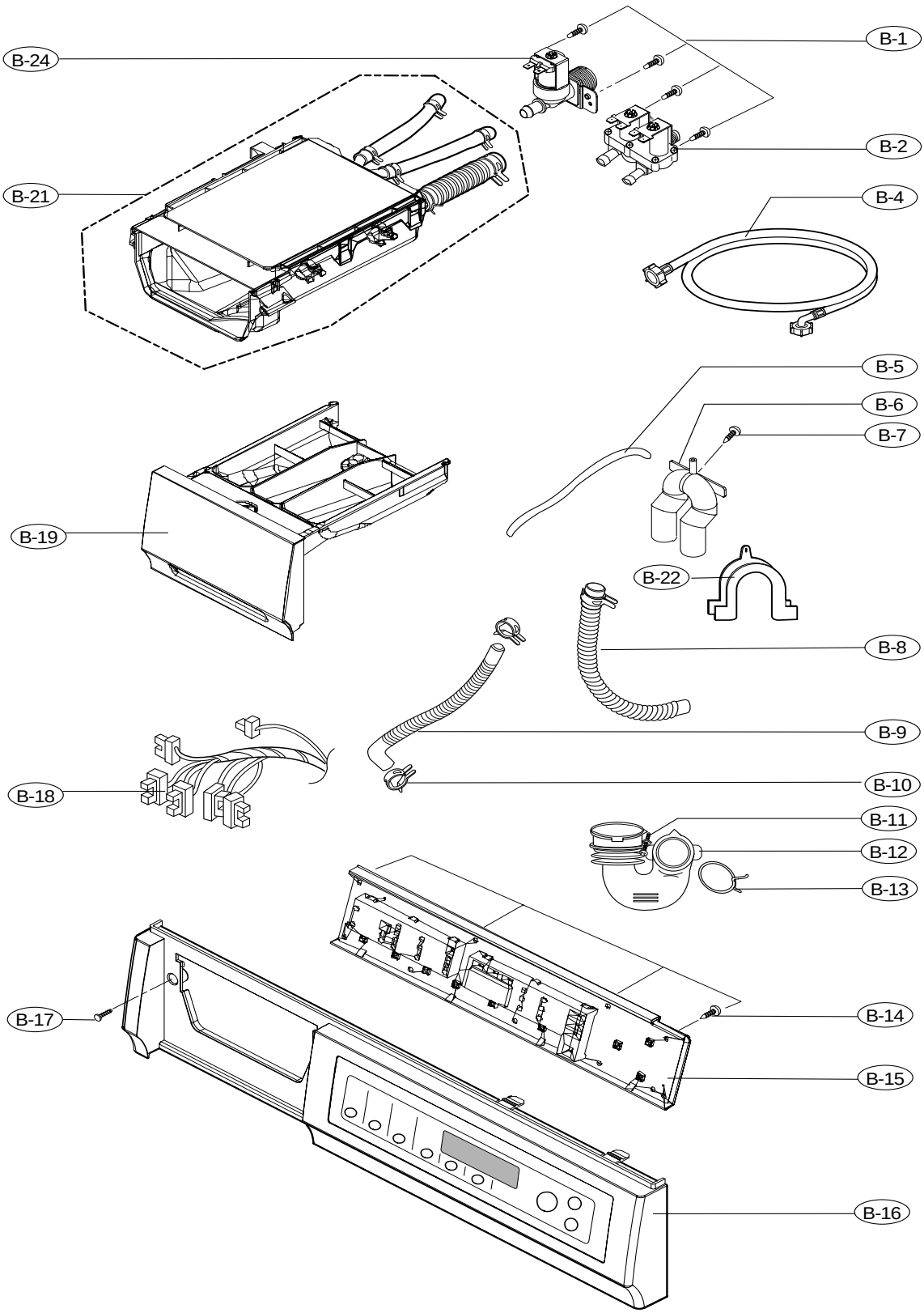


# ■THE PART LIST OF CABINET ASSY

| L/No. | PART NAME | PART NO. | SVC CORD | Q' TY | SPEC |
|---|---|---|---|---|---|
| A-1 | PLATE ASSY(TOP) | 3828ER1001A | R | 1 | |
| A-2 | SCREW, TAPPING [ TRUSS HEAD ] | 1TTL0403018 | | | |
| A-5 | BACK COVER | 3808FR1202A | | 1 | |
| A-6 | SCREW, TAPPING [ TRUSS HEAD ] | 1TTG0402618 | | 4 | |
| A-7 | CABINET ASSY | 3091FR0045A | | 1 | |
| A-8 | SCREW, TAP TITE(S) [ BINDING HEAD ] | 1SBF0402618 | | 2 | |
| A-10 | POWER CORD ASSY | 6411FR1169B | | 1 | C-4-2 |
| | *See Appendix(type of power cord) | 6411FR1169D | | 1 | S-2-1 |
| | | 6411FR1169E | | 1 | B-5 |
| | | 6411FR1169F | | 1 | B-3 |
| | | 6411FR1169K | | 1 | B-3(BSI) |
| | | 6411FR1169L | R | 1 | B-3(SISIR) |
| | | 6411FR1169N | | 1 | C-4-2 |
| | | 6411FR1169P | | 1 | S-2-3 |
| | | 6411FR1169Q | | 1 | S-2-1 |
| A-11 | SCREW | 4000W4A003A | | 1 | |
| A-13 | SCREW, TAP TITE(S) [ BINDING HEAD ] | 1SBF0402618 | | 1 | |
| A-14 | SENSOR PRESSURE | 6600FR1203F | R | 1 | |
| A-15 | BASE | 3040FR0049A | | 1 | |
| A-16 | SCREW, TAPPING [ TRUSS HEAD ] | 1TTG0403018 | | 24 | |
| A-17 | BRACKET, BASE | 4810FR4136A | | 4 | |
| A-18 | FEET ASSY | 5413FR4154A | R | 4 | |
| A-21 | COVER, LOWER | 3550FR1166A | R | 1 | |
| A-22 | SCREW, TAPPING [ TRUSS HEAD ] | 1TTG0402618 | | 3 | |
| A-23 | CAP(REMAINING HOSE) | 5006FR3146A | | 1 | |
| A-24 | OPENER, DOOR | 5870FR3147A | | 1 | |
| A-25 | STRAP | 4640FR4118A | | 1 | |
| A-26 | CLAMP ASSY, CABINET GASKET | 2W20017A | | 1 | |
| A-27 | GUIDE | 4974FR4145A | | 1 | |
| A-28 | SCREW | 4000FD4191A | | 2 | |
| A-29 | SCREW, TAPPING [ TRUSS HEAD ] | 1TTL0403032 | | 2 | |

| L/No. | PART NAME | | PART NO. | SVC CORD | Q' TY | SPEC |
|---|---|---|---|---|---|---|
| A-30 | SWITCH ASSY, DOOR LOCK | | 6601FR1119C | R | 1 | |
| | | | 6601FR1262A | | 1 | SEMKO |
| A-31 | SCREW | | 4000FD4191A | | 2 | |
| A-32 | HINGE ASSY | | 4775FR2114A | | 1 | |
| A-33 | SCREW, TAPPING [ TRUSS HEAD ] | | 1TTL0403032 | | 1 | |
| A-34 | COVER, CABINET | | 3550FR1213A | | 1 | |
| A-35 | SCREW, TAP TITE(C) [ PAN HEAD ] | | 1TPL0402618 | | 2 | |
| A-37 | HOLDER | | 4930FR4157A | | 2 | |
| A-38 | HOLDER | | 4930ER4001A | | 3 | |
| A-39 | SCREW, TAP TITE(S) [ PAN HEAD] | | 1SCBF040327 | | 3 | |
| A-40 | PWB ASSY(MAIN) | WD-8030WF/8040WF | 6871EC1004E | R | 1 | 220-240VAC |
| | | WD-8030WFH/8040WFH | 6871EF1004F | | 1 | 220-240VAC |
| | | WD-1022F/1042F | 6871EC1004G | | 1 | 220-240VAC |
| | | WD-1022FH/1042FH | 6871EC1004H | | 1 | 220-240VAC |
| A-41 | SCREW, TAPPING [ TRUSS HEAD ] | | 1TTL0403018 | | 4 | |
| A-42 | PWB ASSY (POWER) | | 6871FC2262C | R | 1 | 220-240VAC |
| A-43 | HOLDER | | 4930FR3151A | | 1 | |
| A-44 | BOLT ASSY, TRANSIT | | 4011FR3159A | | 4 | |
| A-45 | BUSHING | | 4830FR3107A | | 1 | |
| A-47 | DOOR ASSY | | 3581FR1200C | | 1 | |
| A-49 | LOWER COVER CAP | | 5006FR3179A | R | 1 | |
| A-50 | REACTOR | | 5874FA2381B | R | 1 | SEMKO |

# 10-2 THE EXPLODED VIEW OF CONTROL PANEL & DISPENSER ASSY



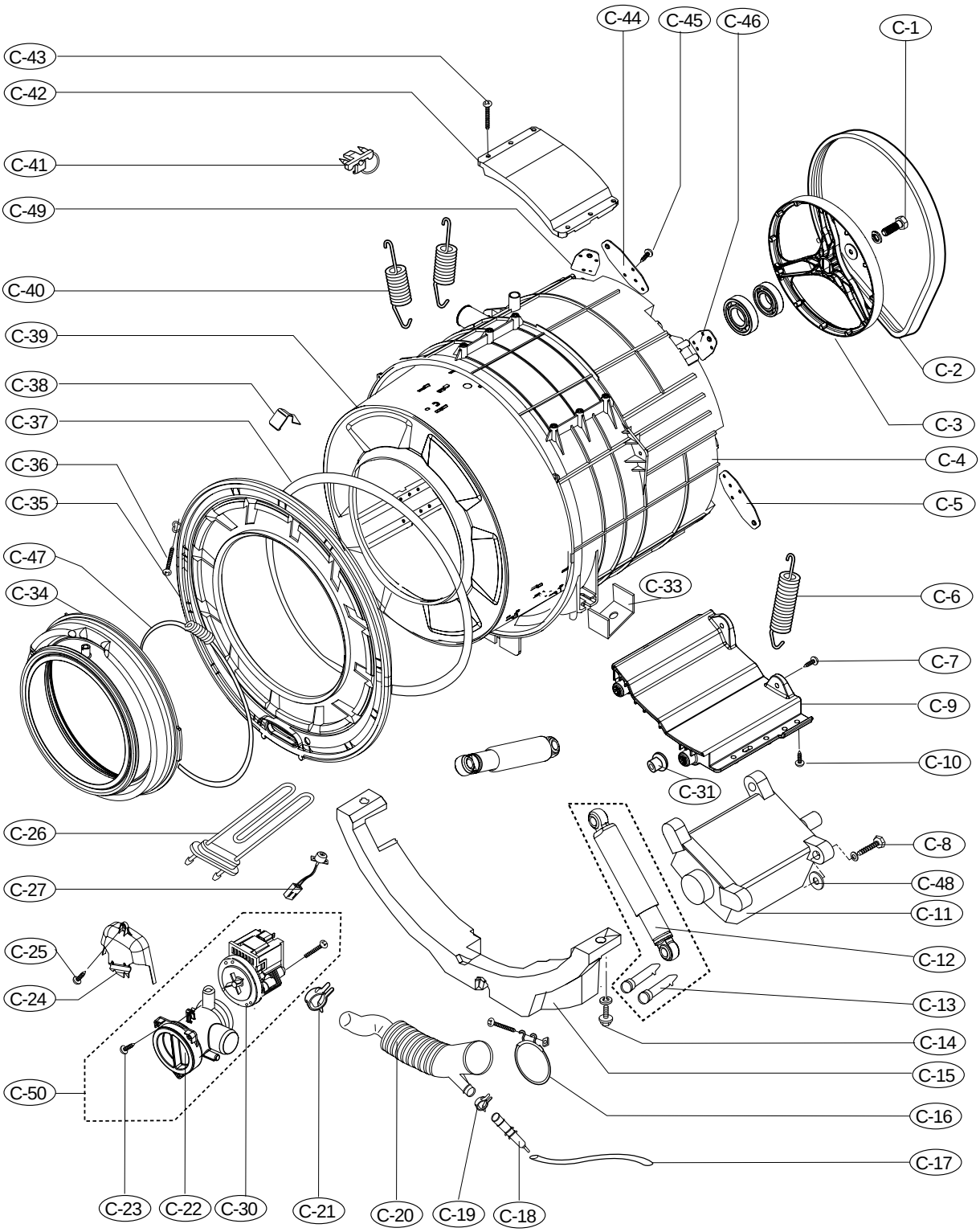
# ■THE PARTS LIST OF CONTROL PANEL & DISPENSER ASSY

| L/No. | PART NAME | | PART NO. | SVC CORD | Q' TY | SPEC |
|---|---|---|---|---|---|---|
| B-1 | SCREW, TAP TITE(S) [ PAN HEAD ] | | 1SCPF040268 | | 2 | |
| B-2 | VALVE | | 5220FR2067B | R | 1 | |
| | | | 5220FR1251A | | 1 | SEMKO |
| B-4 | HOSE ASSY, INLET | | 5214FA1146 | R | 1 | |
| | | | 5215FD3715 | R | 1 | |
| | | | 3W40102 | R | 1 | |
| B-5 | HOSE | | 5214FR4125B | | 1 | |
| B-6 | CONNECTOR (MECH), DRAIN HOSE | | 4932FR3156A | | 1 | |
| B-7 | SCREW, TAP TITE(B) [ FLAT HEAD ] | | 1TTG0402618 | | 1 | |
| B-8 | HOSE ASSY, DRAIN | | 5214FR3018B | R | 1 | |
| B-9 | HOSE, PUMP | | 5214FR3188A | | 1 | |
| B-10 | CLAMP | | 4861FR3068C | | 2 | |
| B-11 | CLAMP | | 4860FR3092D | | 1 | |
| B-12 | BELLOWS | | 4738FR2065A | R | 1 | |
| B-13 | RING, SNAP | | 3W50012O | | 1 | |
| B-14 | SCREW | | 4W51132A | | 9 | |
| B-15 | PWB ASSY(DISPLAY) | WD-8030F(H)/8040WF(H) | 6871ER2001A | R | 1 | |
| | | WD-1022F(H)/1042F(H) | 6871ER2001B | R | 1 | |
| B-16 | PANEL ASSY, CONTROL | WD-8030WF(H) | 3721FR1227 | R | 1 | |
| | | WD-8040WF(H) | 3721FR1196 | | 1 | |
| | | WD-1022F(H) | 3721ER1004 | | 1 | |
| | | WD-1042F(H) | 3721ER1005 | | 1 | |
| B-17 | SCREW, TAPPING [ TRUSS HEAD ] | | 1TTL0403332 | | 2 | |
| B-18 | LEAD WIRE ASSY | WD-8030WF/8040WF/1022F/1042F | 6877ER1001A | | 1 | SEMKO |
| | | WD-8030WFH/8040WFH/1022FH/1042FH | 6877ER1001B | | 1 | SEMKO |
| | | WD-8030WF/8040WF/1022F/1042F | 6877ER1001E | | 1 | |
| | | WD-8030WFH/8040WFH/1022FH/1042FH | 6877ER1001F | | 1 | |

# ■THE PARTS LIST OF CONTROL PANEL & DISPENSER ASSY

| L/No. | PART NAME | | PART NO. | SVC CORD | Q' TY | SPEC |
|---|---|---|---|---|---|---|
| B-19 | PANEL ASSY, DRAWER | WD-8030WF(H) | 3721FR1227 | | 1 | |
| | | WD-8040WF(H) | 3721FR1244 | R | 1 | |
| | | WD-1022F(H) | 3721ER1001 | | 1 | |
| | | WD-1042F(H) | 3721ER1006 | | 1 | |
| B-21 | DISPENSER ASSY | WD-8030WF/8040WF/1022F/1042F | 4925FR1137C | | 1 | |
| | | WD-8030WFH/8040WFH/1022FH/1042FH | 4925FR1137A | | 1 | |
| B-22 | DRAIN HOSE HANGER | | 3W50712A | | 1 | |
| B-24 | VALVE | WD-8030WFH/8040WFH/1022FH/1042FH | 5220FR1280A | R | 1 | 220-240VAC |

# 10-3 THE EXPLODED VIEW OF DRUM & TUB ASSY

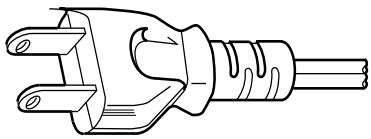
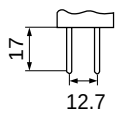
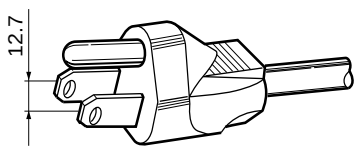
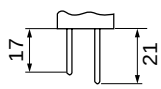
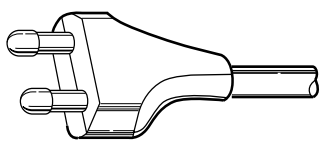
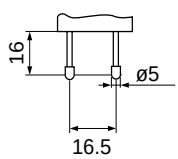
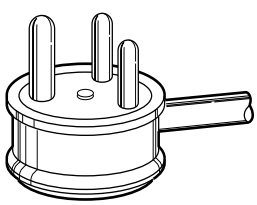
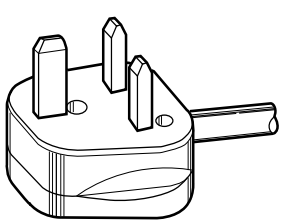
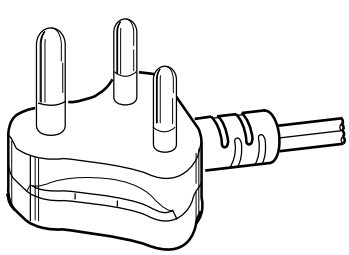
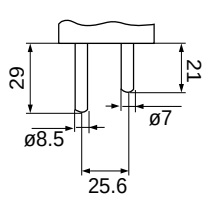
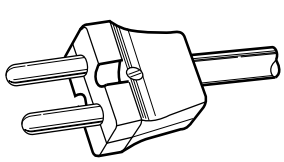
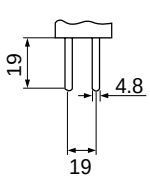


# ■THE PART LIST OF DRUM & TUB ASSY

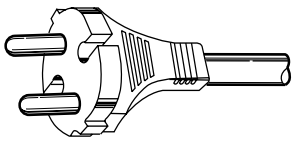
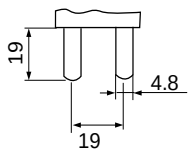
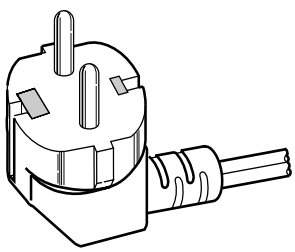
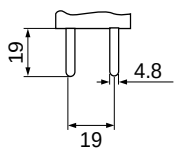
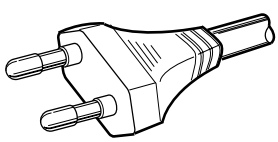
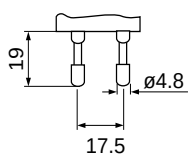
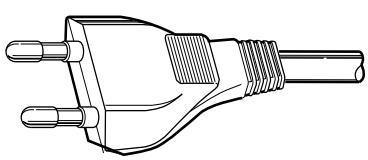
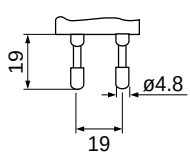
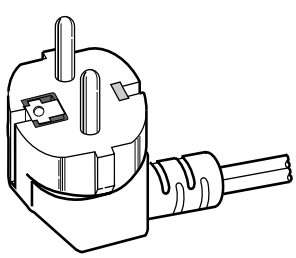
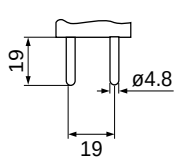
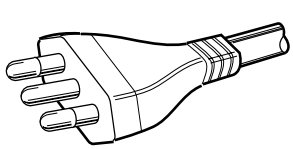
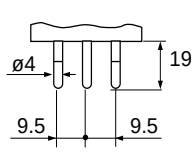
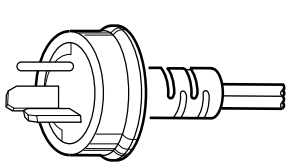
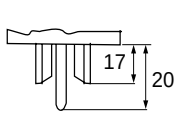
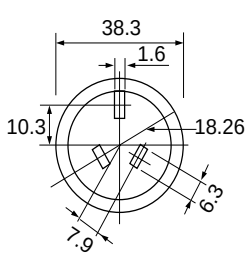
| L/No. | PART NAME | PART NO. | SVC CORD | Q' TY | SPEC |
|---|---|---|---|---|---|
| C-1 | BOLT ASSY | 4011FR3173A | | 1 | |
| C-2 | BELT, POLY-V | 4400FR3116A | R | 1 | |
| C-3 | PULLEY | 4560FR1149A | R | 1 | |
| C-4 | TUB ASSY | 3045FR0031C | | 1 | |
| C-5 | BRACKET | 4810FR4167A | | 1 | |
| C-6 | SPRING | 4970FR2084B | R | 1 | |
| C-7 | SCREW | 1SZZFA4362A | | 2 | |
| C-8 | SCREW | 4040FR4051F | | 2 | |
| C-9 | BRACKET, MOTOR | 4810FR1222B | R | 1 | |
| C-10 | SCREW | 1SZZFA4362A | | 4 | |
| C-11 | MOTOR ASSY | 4681FR1194A | R | 1 | 220-240VDC |
| C-12 | DAMPER ASSY | 4901FR2080A | R | 2 | |
| C-13 | HINGE | 4774FR3118A | R | 4 | |
| C-14 | BOLT ASSY | 4011FR3173B | | 3 | |
| C-15 | WEIGHT, BALANCE | 4844FR1179A | | 1 | |
| C-16 | CLAMP | 4860FR3092C | | 1 | |
| C-17 | HOSE(SENSOR) | 5214FR4125A | R | 1 | |
| C-18 | CHAMBER, AIR | 3504FR3134A | | 1 | |
| C-19 | CLAMP, HOSE | 4861FR3068C | | 1 | |
| C-20 | BELLOWS | 4738FR1145A | R | 1 | |
| C-21 | CLAMP, HOSE | 4861FR3068E | | 1 | |
| C-22 | HOUSING ASSY (MECH), PUMP | 3661FR2093A | | 1 | |
| C-23 | SCREW, TAPPING [TURSS HEAD] | 1TTL0403018 | | 3 | |
| C-24 | PROTECTOR (MECH) | 3740FR3043A | | 1 | |
| C-25 | SCREW, TAPPING [TURSS HEAD] | 1TTL0403318 | | 2 | |
| C-26 | HEATER ASSY | 5301FR1158B | R | 1 | 240VAC2000W |
| | | 5301FR1158C | | 1 | 220VAC2000W |
| | | 5301FR1158D | | 1 | 230VAC2000W |

| L/No. | PART NAME | PART NO. | SVC CORD | Q' TY | SPEC |
|---|---|---|---|---|---|
| C-27 | THERMISTOR | 6322FR2046B | R | 1 | |
| C-30 | PUMP MOTOR | 4680FA2325A | | 1 | 220-240VAC 50Hz |
| C-31 | RUBBER | 5040FR4168A | | 4 | |
| C-33 | BRACKET | 4810FR4116A | | 3 | |
| C-34 | GASKET ASSY | 4986FR1230B | R | 1 | |
| C-35 | COVER, TUB | 3044FR0027A | | 1 | |
| C-36 | SCREW, TAPPING [ TURSS HEAD ] | 1TTL0403318 | | 3 | |
| C-37 | SEAL | 4036FR4123A | | 1 | |
| C-38 | CLAMP, TUB | 4860FR4124A | | 11 | |
| C-39 | TUB, DRUM ASSY | 3044FR0036C | | 1 | |
| C-40 | SPRING | 4970FR2084A | R | 2 | |
| C-41 | HOLDER(SPRING) | 4930FR3040A | | 3 | |
| C-42 | WEIGHT, BALANCE | 4844FR1223A | | 1 | |
| C-43 | SCREW | 1SZZFA4362A | | 6 | |
| C-44 | BRACKET | 4810FR4166A | | 1 | |
| C-45 | SCREW | 1TTL0503518 | | 12 | |
| C-46 | BRACKET | 4810FR4126A | | 2 | |
| C-47 | TUB GASKET CLAMP ASSY | 4861ER2001A | R | 1 | |
| C-48 | NUT | 1NZZFR4175A | | 2 | |
| C-49 | BRACKET (UPPER RIGHT) | 4810FR4126B | | 2 | |
| C-50 | PUMP ASSY, DRAIN | 5859FR1225 | R | 1 | |

# ■APPENDIX(The type of power cord)

| TYPE | TYPE OF PLUG | POWER CORD P/No. |
|---|---|---|
| A-1 |    | - |
| A-2 |     | - |
| B-1 |    | - |
| B-2 |  | - |
| B-3 |  | 6411FR1169F |
| B-5 |    | 6411FR1169E |
| C-1 |    | - |

| | | | |
|---|---|---|---|
| 2A | 2PIN | 3.5Ø | EPIN 5Ø |
| 5A | 2PIN | 5Ø | EPIN 7Ø |
| 15A | 2PIN | 7Ø | EPIN 8.6Ø |

| TYPE | TYPE OF PLUG | POWER CORD P/No. |
|---|---|---|
| C-2-1 |    | - |
| C-2-2 |    | 6411FD1096V |
| C-3-1 |    | - |
| C-3-2 |    | - |
| C-4-2 |    | 6411FR1169B<br>6411FR1169N |
| C-5 |    | - |
| S-2-1 |      | 6411FR1169D<br>6411FR1169P<br>6411FR1169Q |